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FILE 'BIOSIS, HCAPLUS, COMPUSCIENCE, BIOTECHDS, BIOTECHNO' ENTERED AT
     13:02:13 ON 10 AUG 2005
           1637 S MIXED INTEGER
L1
L2
           7802 S LINEAR PROGRAM?
L3
           5850 S FLUX (5A) ANALYSIS
L4
            650 S FBA
         118286 S CONSTRAINT
L6
          63319 S LOGIC
L7
            579 S L1 (5A) L2
L8
              3 S L7 (P) L3
              1 DUP REM L8 (2 DUPLICATES REMOVED)
L9
L10
         352382 S FLUX
            19 S L7 (P) REACTION
L11
             16 S L11 NOT L8
L12
L13
             9 DUP REM L12 (7 DUPLICATES REMOVED)
L14
            150 S L3 (P) L5
             1 S L14 (P) L6
L15
            20 S L4 (P) L5
L16
L17
            11 DUP REM L16 (9 DUPLICATES REMOVED)
L18
            17 S L14 (P) L2
            14 S L18 NOT L11
L19
L20
             7 DUP REM L19 (7 DUPLICATES REMOVED)
L21
            3 S L14 (P) L1
L22
             1 DUP REM L21 (2 DUPLICATES REMOVED)
            729 S L6 (5A) L5
L23
L24
             0 S L23 AND (L3 OR L4)
             2 S L23 (P) REACTION
L25
L26
             2 DUP REM L25 (0 DUPLICATES REMOVED)
L27
           104 S LOGICAL (5A) L5
L28
             0 S L27 (P) (L4 OR L3)
L29
           3390 S (KINETIC OR REGULATORY) (7A) BARRIER
             2 S L29 (P) (L3 OR L4) ·
L30
             2 DUP REM L30 (0 DUPLICATES REMOVED)
L31
           3420 S REACTION (3A) NETWORK
L32
            30 S VIOLAT? (5A) BARRIER
L33
L34
              0 S L5 (P) L33
L35 ·
             0 S L33 AND (L3 OR L4)
          17 S (L27 OR L14) AND L32
L36
L37
          . 10 DUP REM L36 (7 DUPLICATES REMOVED)
L38
            0 S L23 (P) L32
L39
            0 S L33 (P) L32
L40
             0 S L33 (P) L5
L41
            27 S L29 (P) L5
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20 DUP REM L41 (7 DUPLICATES REMOVED)

L42